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[Felix Salfner, Maren Lenk, Mirosław Malek](#)

 March 2010 **Computing Surveys (CSUR)**, Volume 42 Issue 3

Publisher: ACM [Request Permissions](#)

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With the ever-growing complexity and dynamicity of computer systems, approach to enhancing availability. Online failure prediction is the key to reliability methods, ...

Keywords: Error, failure prediction, fault, prediction metrics, runtime n

2 [CHI '06 extended abstracts on Human factors in computing systems](#)
[Gary Olson, Robin Jeffries](#)

 April 2006 **CHI '06: CHI '06 extended abstracts on Human factors in co**
Publisher: ACM

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Welcome to the CHI 2006 *Extended Abstracts*. We hope that you will en changes that we have made. For the first time this year, we encourage communities of the human-computer ...

3 [Proceedings of the 2008 ACM symposium on Applied computing](#)
[Roger L. Wainwright, Hisham M. Haddad](#)

 March 2008 **SAC '08: Proceedings of the 2008 ACM symposium on Applie**
Publisher: ACM

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Welcome to the 23rd Annual ACM Symposium on Applied Computing (S to computer scientists, engineers, and practitioners seeking innovative i This year, the conference ...

4 [Fast online pointer analysis](#)
[Martin Hirzel, Daniel Von Dincklage, Amer Diwan, Michael Hind](#)
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Pointer analysis benefits many useful clients, such as compiler optimization. However, analyzing common programming language features such as dynamic loading, reflection, and pointer analysis is difficult. ...

Keywords: Pointer analysis, class loading, native interface, reflection

5 [Communications of the ACM: Volume 53 Issue 1](#)

 January 2010 Communications of the ACM

Publisher: ACM

Full text available:  [Digital Edition](#),  [Pdf](#) (8.09 MB) Additional Information: [full citation](#)


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6 [Persistent Code Caching: Exploiting Code Reuse Across Executions](#)

[Vijay Janapa Reddi](#), [Dan Connors](#), [Robert Cohn](#), [Michael D. Smith](#)

March 2007 **CGO '07: Proceedings of the International Symposium on Code**

Publisher: IEEE Computer Society


Full text available:  [Pdf](#) (335.51 KB)

Additional Information: [full citation](#), [abstract](#)



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Run-time compilation systems are challenged with the task of translating code while maintaining low overhead. While software managed code caches are utilized, they are ineffective for programs with ...

7 [Communications of the ACM: Volume 52 Issue 2](#)


 February 2009 Communications of the ACM

Publisher: ACM



Full text available:  [Digital Edition](#),  [Pdf](#) (7.09 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 343, Downloads (12 Months): 1180, Download

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 July 2009 Communications of the ACM

Publisher: ACM

Full text available:  [Digital Edition](#),  [Pdf](#) (7.61 MB) Additional Information: [full citation](#)


Bibliometrics: Downloads (6 Weeks): 327, Downloads (12 Months): 327, Download

9 [LLVM: A Compilation Framework for Lifelong Program Analysis & Transformation](#)

[Chris Lattner](#), [Vikram Adve](#)

March 2004 **CGO '04: Proceedings of the international symposium on Code generation and runtime optimization**

Publisher: IEEE Computer Society


Full text available:  [Pdf](#) (256.90 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 286, Download

This paper describes LLVM (Low Level Virtual Machine), a compiler framework for program analysis and transformation for arbitrary programs, by performing compiler transformations at compile-time, ...

10 [Formalizing the safety of Java, the Java virtual machine, and Java code](#)

 [Pieter H. Hartel](#), [Luc Moreau](#)

December 2001 **Computing Surveys (CSUR)**, Volume 33 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (442.86 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 458, Downloads (All Time): 1,234

We review the existing literature on Java safety, emphasizing formal approaches for small footprint devices such as smartcards. The conclusion is that although a concerted effort is ...

Keywords: Common criteria, programming

11 [Dynamic software updating](#)

 [Michael Hicks](#), [Scott Nettles](#)

November 2005 **Transactions on Programming Languages and Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (622.69 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 291, Downloads (All Time): 1,234

Many important applications must run continuously and without interruption or upgrade functionality. No prior general-purpose methodology for dynamic software updating between flexibility, ...

Keywords: Dynamic software updating, typed assembly language

12 [Selling online versus offline: theory and evidences from Sotheby's](#)

 [Eiichiro Kazumori](#)

June 2003 **EC '03: Proceedings of the 4th ACM conference on Electronic Commerce**

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Full text available:  Pdf (338.05 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 91, Downloads (All Time): 1,234

We consider a recent business and policy question of "how and why do online markets exist?" using a unique dataset of more than 3000 auctions held in New York in June-July 2002. ...

Keywords: auctions, electronic commerce

13 [Communications of the ACM: Volume 51 Issue 10](#)

 October 2008 **Communications of the ACM**


Publisher: ACM

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Bibliometrics: Downloads (6 Weeks): 1039, Downloads (12 Months): 1039, Dc

15 [GPGPU: general purpose computation on graphics hardware](#)

 David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (63.03 MB) [Additional Information: full citation, ab:](#)

Bibliometrics: Downloads (6 Weeks): 166, Downloads (12 Months): 1463, Dov

The graphics processor (GPU) on today's commodity video cards has ev processor. The latest graphics architectures provide tremendous memor with fully programmable vertex ...

16 [Dynamic Class Hierarchy Mutation](#)

[Lixin Su, Mikko H. Lipasti](#)

March 2006 **CGO '06: Proceedings of the International Symposium on Co**


Publisher: IEEE Computer Society

Full text available:  Pdf (377.30 KB) [Additional Information: full citation, ab:](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Downloa

Class hierarchies in object-oriented programs are used to capture variou represent, allowing programmers to encapsulate common attributes in t in lower-level ...

17 [Vigilante: End-to-end containment of Internet worm epidemics](#)

 Manuel Costa, Jon Crowcroft, Miguel Castro, Antony Rowstron, Lidong Zhou December 2008 **Transactions on Computer Systems (TOCS)** , Volume 26 I

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.99 MB) [Additional Information: full citation, ab:](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 263, Downl



Worm containment must be automatic because worms can spread too f; proposed network-level techniques to automate worm containment; the no information about the vulnerabilities ...

Keywords: Worm containment, dynamic data-flow analysis, program a condition slicing

18 [Communications of the ACM: Volume 51 Issue 9](#)


 September 2008 [Communications of the ACM](#)

Publisher: ACM



Full text available:  [Digital Edition](#) ,  Pdf (8.68 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 310, Downloads (12 Months): 739, Dowl

19 [Communications of the ACM: Volume 52 Issue 9](#)


 September 2009 Communications of the ACM

Publisher: ACM



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Bibliometrics: Downloads (6 Weeks): 519, Downloads (12 Months): 519, Dowl

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 November 2008 Communications of the ACM

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